

*AMENDMENTS TO THE SPECIFICATION*

Fig. 6 is a graph showing a relationship between the optical loss ~~by the~~ due to waveguide bending and the radius R of curvature of the bent portion. The relationship is calculated by the inventors according to a beam propagation method. The graph suggests that the radius of curvature should be 2400  $\mu\text{m}$  or more for the reduction of the bending loss.

Replace the paragraph beginning at page 4, line 14 with:

The present invention has been developed to solve these problems ~~and has an object to provide made for the purpose of solving the above problems~~. It is therefore an object of the invention to provide a semiconductor optical waveguide device in which the length between the input and output ends of the waveguide is short, in which the bending loss is small, and which can be integrated to have a high speed and a small size.

Replace the paragraph beginning at page 6, line 7 with:

Fig. 6 is a graph showing a relationship between ~~a~~ optical loss ~~by~~ due to waveguide bending and ~~a~~ radius of curvature of the ~~bent portion~~ bending.